

SULFIDE BY METHYLENE BLUE METHOD SM 20th Ed 4500-S2 D					PAGE 1 OF 1
Facility Name: _____ VELAP ID: _____					
Assessor Name: _____ Analyst Name: _____ Inspection Date: _____					
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
<i>Records Examined:</i> SOP Number/ Revision/ Date _____ Analyst: _____					
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
Are samples that are collected for the determination of <u>dissolved sulfides</u> treated in the field with aluminum chloride, allowed to settle and flocculate, and the clear supernatant collected for analysis of dissolved sulfide? <i>(Step may be omitted if sample contains no suspended matter.)</i>	4500-S ²⁻ B				
When samples are pre-treated in the field for the determination of <u>dissolved sulfides</u> , does the chain of custody or other documentation include a record of flocculation step?	2003 NELAC 5.5.7.3				
Was the Methylene Blue Solution standardized against five-known concentration sulfide standards ranging from 1 to 8 mg Sulfide/L?	SM 20 th 4500-S ²⁻ D 2.f				
Was Methylene Blue Solution prepared daily?	SM 20 th 4500-S ²⁻ D				
Were samples analyzed in Two matched tube sets?	SM 20 th 4500-S ²⁻ D 3.a				
Was amine-sulfuric acid reagent added to the first tube?	SM 20 th 4500-S ²⁻ D 3.a				
Was amine-sulfuric acid reagent stored in a dark bottle?	SM 20 th 4500-S ²⁻ D 2.b				
Was 1:1 H ₂ SO ₄ and FeCl ₃ Solution added to the second tube?	SM 20 th 4500-S ²⁻ D 3.a				
After 3-15 minutes of color, was (NH ₄) ₂ HPO ₄ added to each tube?	SM 20 th 4500-S ²⁻ D 3.a				
Were color comparisons made after waiting 3-15 minutes?	SM 20 th 4500-S ²⁻ D 3.a				
Were samples preserved with zinc acetate and sodium hydroxide to a pH > 9 and stored for not longer than 7 days?	40CFR136.3 Table II				

When samples are pre-treated in the field (flocculation),
is the analysis result reported as Dissolved Sulfide?

2003 NELAC
5.5.10.2.h

Notes/Comments: